

11394

Diag. Cht. No. 1255.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-146 Office No. T-11394

LOCALITY

State Florida

General locality Gulf Coast
Charlotte Harbor

Locality Fines Key to Sand Bream Key

1953-58

CHIEF OF PARTY

H.C.Applequist, Chief of Party

LIBRARY & ARCHIVES

DATE February 1965

USCOMM-OC 5067

11394

DESCRIPTIVE REPORT - DATA RECORD

T - 11394✓

Project No. (II) 27310(Ph-1146)✓ Quadrangle Name (IV):

Field Office (II): MATLACHA, FLORIDA✓

Chief of Party: H. C. Applequist✓

Photogrammetric Office (III): Tampa Florida✓

Officer-in-Charge: H. C. Applequist✓

Instructions dated (II) (III): 2 July 1954✓

Amendment No. 1. 9 Nov. 1954✓

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic✓

Manuscript Scale (III): 1:10,000✓

Stereoscopic Plotting Instrument Scale (III): Inapplicable✓

Scale Factor (III): None✓

Date received in Washington Office (IV):

MAR 28 1957

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927✓

Vertical Datum (III): M.H.W.✓

Mean Sea Level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): NAP, 1943✓

Lat.: 26° 50' 36" .306 (1,117.4m)✓

Long.: 82° 03' 28" .130 (776.7m)✓

Adjusted
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

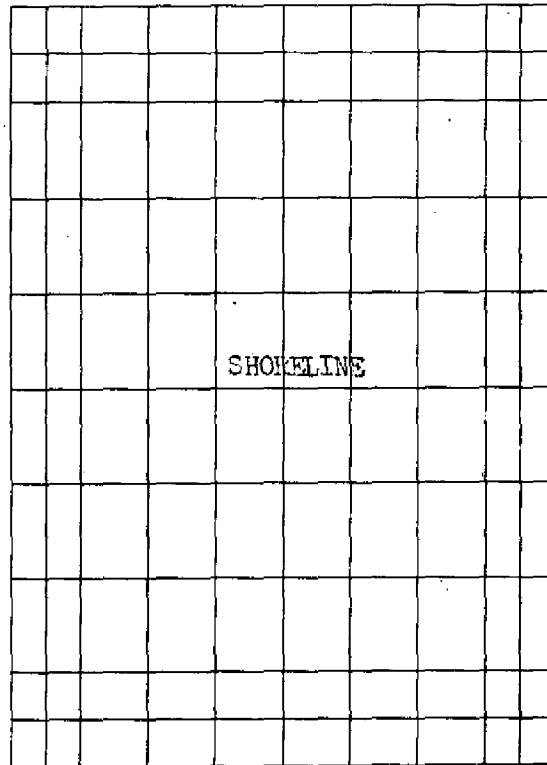
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): E. T. Jenkins✓

Date: Sept. 1956✓

Planetable contouring by (II): Inapplicable✓

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): June 1956✓ Air Photo Compilation✓

Projection and Grids ruled by (IV): Austin Riley (W.O.)

Date: 14 Sept. 1954✓

Projection and Grids checked by (IV): Austin Riley (W.O.)

Date: 28 Sept. 1954✓

Control plotted by (III): W. H. Shearouse

Date: 8 Mar. 1956✓

Control checked by (III): R. J. Pate

Date: 8 Mar. 1956✓

Radial Plot or Stereoscopic

Control extension by (III): M. M. Slavney✓

Date: 18 April 1956✓

Stereoscopic Instrument compilation (III):
Planimetry
Contours Inapplicable✓

Date:

Date:

Manuscript delineated by (III): R. Dossett

Date: 20 Nov. 1956✓

Photogrammetric Office Review by (III): J. A. Giles

Date: 28 Nov. 1956✓

Elevations on Manuscript

checked by (II) (III): Inapplicable✓

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS 9-lens

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
42971	1 Dec. 1953	14:51	1:10,000	+ 0.7'
42972	"	14:51	"	"
42973	"	14:52	"	"
42974	"	14:52	"	"

58-S-1670 thru 58-S-1673 21 Oct 1958

See item No. 35

Predicted
Tide (III)

Reference Station: Tampa Bay
Subordinate Station: Punta Gorda, Charlotte Harbor
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
--	1.5	2.0
0.9	1.4	1.9

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 9

Shoreline (More than 200 meters to opposite shore) (III): 9

~~x Shoreline (Less than 200 meters to opposite shore) (III):~~

Control Leveling - Miles (II): Inapplicable

Number of Triangulation Stations searched for (II): 5

Recovered: 1

Identified: 3

Number of BMs searched for (II): None

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 1

Number of Temporary Photo Hydro Stations established (III): 18

Remarks:

Six temporary traverse stations were established alongshore in the water.

FIELD INSPECTION REPORT - T-11388, T-11391, T-11394, T-11397 and T-11400

2. AREAL FIELD INSPECTION.

The land area is along the eastern shore of Charlotte Harbor, the north and south shore of the Peace River, up to and including the most of Long Island. Within the area there is the City of Punta Gorda and the Villages of Charlotte Harbor and Solana.

There is little industry in the area. There are some small citrus groves, a few citrus processing plants and a small amount of ranching done. The majority of the income for the area is from its tourist trade. There is a very large hotel in Punta Gorda, considering the size of the city, and the adjoining areas have numerous motels, cabins and trailer courts.

Near the northwest corner of T-11388 there is a sizeable housing project underway, known as "Port Charlotte". At the date of the field inspection, there were several streets, canals and houses under construction. If the area is completed as planned, it will contain several hundred homes, stores, cafes, etc. Near the northeast corner of T-11388, construction is underway on another housing project, known as "Harbor Heights", but this area is not too well developed. Near the center of T-11391, another housing project is underway and many of the streets have been constructed. This project will form part of Punta Gorda.

A large portion of the mainland is flat, poorly drained and has numerous ponds. The vegetation is mostly pine, scattered palms and palmetto, with most of the shoreline area being dense tall mangrove. Some of the mangrove swamps along the shoreline extend inland for a mile or more. There are generally sand flats, on the mainland side of these mangrove swamps, that are usually bare and are subject to flooding with wind tides. The centers of the photographs for the most of T-11391, T-11394 and T-11397 were too far inland to be of much aid in selecting points of detail along the shoreline due to the displacement of the tall mangrove.

3. HORIZONTAL CONTROL.

One new intersection station was established during inspection - FISH, 1956 was established in T-11397. Fourteen (14) temporary traverse stations were established along a sand shoal that lies about one-fourth mile offshore in T-11391 and T-11394. As these stations are only marked by an eight-foot 2x4 driven into the sand shoal, there is little possibility of their remaining more than two or three years; therefore, no traverse descriptions have been made for them.

All U. S. Geological Survey and Florida Geodetic Survey third-order traverse stations, for which descriptions were available, were searched for. Designated ones were identified for radial plot control. All stations recovered are listed as follows.

TT - 111 ERS, 1952 - USGS	AF-38, 1934 - FGS
TT - 112 ERS, 1952 - USGS	AF-39, 1934 - FGS
TT - 113 ERS, 1952 - USGS	AF-40, 1934 - FGS
TT - 26 JA, 1952 - USGS	AF-41, 1934 - FGS
TT - 27 JA, 1952 - USGS	AF-42, 1932 - FGS
TT - 28 JA, 1952 - USGS	AF-43, 1934 - FGS
TT - 29 JA, 1952 - USGS	AF-44, 1934 - FGS
TT - 31 JA, 1952 - USGS	AF-45, 1934 - FGS
TT - 32 JA, 1952 - USGS	AF-46, 1934 - FGS
TT - 82 JA, 1952 - USGS	AF-47, 1934 - FGS
	AF-48, 1934 - FGS
	AF-49, 1934 - FGS

All known Coast and Geodetic Survey stations were searched for and reported on Form 526. Lost or destroyed stations are as follows:

PEACE CREEK, 1860	-	Destroyed
LIVE OAK POINT, 1909	-	Lost
SAC, 1943	-	Lost
RAN, 1943	#	Lost

4. VERTICAL CONTROL.

There are no Tidal Bench Marks within the limits of these maps.

5. CONTOURS AND DRAINAGE.

Contours inapplicable.

All drainage of any importance can be delineated from the photographs. Some few streams have been labelled on the photographs, but the majority were not. A few large ditches and canals were located during field inspection.

6. WOODLAND COVER.

Numerous areas of woodland has been labelled with the letter "T" on the photographs, and in some areas the tree line delineated. It is believed enough such areas have been labelled or delineated to serve as a criterion for the compiler.

7. SHORELINE AND ALONGSHORE FEATURES.

No difficulty was encountered in the delineation of the mean high-water line and the apparent shoreline. All the shoreline was inspected and the majority delineated. No shoreline, not delineated, was purposely omitted.

All alongshore features, such as piers, fish houses, net racks etc. were inspected, labelled and delineated where necessary.

The approximate mean low-water line has been delineated on a long sand shoal in T-11391, T-11394, T-11397 and T-11400. This will probably be of much aid to the hydrographic party.

The foreshore is generally a mixture of sand and mud and sometimes grass covered.

The only submarine cable in the area is a telephone cable along the bridge ruins between Punta Gorda and the north shore of the Peace River. The ends of this cable were delineated on the photographs.

8. OFFSHORE FEATURES.

All offshore features were visited. Features discernible on the photographs were labelled and features such as piling and large stakes were located with theodolite cuts.

9. LANDMARKS AND AIDS.

Fixed aids to navigation, such as lights, were located by triangulation. All daybeacons were located by theodolite cuts from photo points interspersed with triangulation. All aids to navigation and selected landmarks have been reported on Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES

Inapplicable.

11. OTHER CONTROL.

The following are topographic stations that have been established or reidentified. They will aid the hydrographer and Forms 524 have been submitted for all stations.

SAND
SEA 2
COP
NES
SKY

BM Q 38
LONG
JOHN
JEAN
HACK

Photo-hydro stations were selected throughout to provide adequate control for the hydrographic survey. The same care was given in the identification of these points as would be given a substitute station. Where possible, identifiable points on the photographs were selected and objects other than house gables, ends of piers, etc. were well marked to promote recovery. It is believed that these stations can be recovered, with ease, anytime in the next two years.

Due to the mangrove and photograph centers, as mentioned in the last paragraph of Item 2, the photo-hydro stations for about two maps had to be established by regular field methods.

12. OTHER INTERIOR FEATURES.

All roads were classified in accordance with current instructions. Several miles of new roads and streets were also located and classified.

Buildings were classified according to project instructions.

There is one overhead cable crossing and one bridge within the area that was measured for clearance. These clearances were submitted to the Compiler for T-11388.

13. GEOGRAPHIC NAMES.

The name "Port Charlotte" should be added to the new development near the northwest corner of T-11388.

The name "Harbor Heights" should be shown for the development in the northeast corner of T-11388. These two names are posted for the areas and advertisements of the areas are the same.

No discrepancies were found in charted names, but no systematic investigation was made.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA.

There are no special reports. Supplemental data are shown on photographs for photo-hydro stations and shoreline work outside the project limits. This supplemental work consisted of selecting approximately 120 photo-hydro stations and inspecting approximately 30 miles of shoreline.

Respectfully submitted,

Began T. Jenkins
BEGAN T. JENKINS
Carto Survey Aid

APPROVED & FORWARDED:

H. C. Applequist
H. C. Applequist,
for Chief of Party

COMPILATION REPORT T-11394PHOTOGRAMMETRIC PLOT REPORT

Submitted with T-11396

31. DELINEATION

The graphic method was used.

The scale of the photographs was poor.

The field inspection was adequate.

32. CONTROL

Reference Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are inapplicable. Drainage was delineated as shown on the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The entire outer shoreline is apparent, being a highly irregular shoreline of mangrove islands and islets. These were delineated as indicated photographically and according to Field Inspection Notes. Low-water and shoal areas were delineated according to field inspection.

1958 photos were used for minor shoreline changes

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS ✓

One topographic station is being submitted on Form 524. It is listed under Item 49, with the descriptions of photo-hydro stations.

39. JUNCTIONS

A satisfactory junction has been secured with T-11391 on the north; T-11393 on the west; and T-11397 on the south. There is no contemporary survey on the east.

40. HORIZONTAL AND VERTICAL ACCURACY ✓

No statement.

46. COMPARISON WITH EXISTING MAPS ✓

A comparison was made with C&GS Planimetric Map T-5875, scale 1:10,000, compiled from aerial photographs of 1939 and supplemented by other surveys to July 1943. ✓

No outstanding shoreline discrepancies were noted.

47. COMPARISON WITH NAUTICAL CHARTS ✓

A comparison was made with C&GS Nautical Chart No. 1255, scale 1:80,000, published March 1948 (5th edition) and corrected to 28 April 1956. The map listed in Item 46 appears to be the source of topography and the same differences exist. ✓

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY ✓

None.

ITEMS TO BE CARRIED FORWARD ✓

None.

Rudolph Dossett
Rudolph Dossett
Carto Photo Aid

Approved and Forwarded:

H. C. Applequist
H. C. Applequist ✓
Chief of Party

L8. GEOGRAPHIC NAME LIST

ELACKS ISLAND ✓
BUCHAN PASS ✓

CHARLOTTE HARBOR ✓
COCKROACH MOUND ✓
CORMORANT KEY ✓

FINES KEY ✓
FLORIDA ✓

JOHN QUIET LAKES ✓

NIGGER HEAD KEY ✓

REDFISH KEY ✓

SAND BREAM KEYS ✓
SILCOX KEY ✓

WINGGOURD CREEK ✓
WHIDDEN BRANCH ✓

A. J. Wright
Geog. Names Sec.

49. NOTES FOR THE HYDROGRAPHER ✓

The following is for use of the hydrographer: ✓

Note A - A short 1"x2" stake with top portion painted white with "U.S.Gov't" painted in black. Also there is a 1"x1" taller stake nearby with a small white flag attached. ✓

Note B - On or nearby and higher is tied a two-foot white cloth streamer.

PHOTO-HYDRO

9400 A 2x4 driven into the mud and extending approximately 3 feet above water, located at the edge of the mangrove on the southwest side of an island. Note A & B ✓

9401 A five foot stake driven into the mud with a small stake nailed to it and marked U.S.Gov't ~~nailed to it and marked U.S. Gov't.~~ Note A & B. ✓

9402 A five foot stake driven into the mud with a smaller stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9403 A five foot stake driven into the mud with a shorter stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9404 A five foot stake driven into the mud with a shorter stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9405 A five foot stake driven into the mud with a shorter stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9406 A five foot stake driven into the mud with a shorter stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9407 A five foot stake driven into the mud with a shorter stake nailed to it and marked U.S.Gov't. Note A & B. ✓

9408 A 10 foot 2x2 driven 2 feet into the mud and sand about 1 meter west of the mangrove shoreline near the northwest end of the island. Note A & B. Approximate position. Photo 42973. ✓

9409 A flagged 2x2, 10 feet long, driven into the mud and sand about 2 meters northwest of the shoreline near the ^{west} ~~northwest~~ end of point. Note A & B. Approximate position. Photo 42973. ✓

9410 A flagged 2x2 10 feet long driven into the mud and sand about 2 meters southwest of the mangrove shoreline of the southwest end of the island. Note A & B. Approximate position. Photo 42973. ✓

9411 A flagged 2x2, 10 feet long driven into the mud and sand about 2 meters southwest of the southeast end of the point. Note A & B. Approximate position. Photo 42973. ✓

9412 A flagged 2x2, 10 feet long driven into the mud and sand about 2 meters west of the mangrove shoreline on the west side of the island. Note A & B. Approximate position. Photo 42973. ✓

9413 A flagged 2x2, 10 feet long driven into the mud and sand about 5 meters southwest of the southwest end of the island. Note A & B. Approximate position. Photo 42973. ✓

HACK, 1956, (Topo offset) A 2x2 driven into the mud and sand about 1 meter southwest of the southwest point of the island. Station is 45.7 feet west thru a cut line from HACK, 1956. Note B. Approximate position. Photo 42973. ✓

9414 A flagged 2x2 driven into the sand and mud about 2 meters southwest of the mangrove shoreline. Note A & B. Approximate position. Photo 42973. ✓

9415 A flagged 2x2, 10 feet long driven into the mud and sand about 2 meters west of the mangrove shoreline at the west end of the island. Note A & B. Approximate position. Photo 42973. ✓

9416 A flagged 2x2 driven into the mud and sand about 1 meter west of the most westerly point of the mangrove shoreline. Note A & B. Approximate position. Photo 42973. ✓

N.M.-0 An eight foot 2x4 driven into the sand on the sand shoal that lies about 1500 feet west of the mangrove shoreline. This 2x4 has 2 2x4 bracing it. Painted on the east side of the 2x4 is N.M.-0 ✓

N.M.-1500 An eight foot 2x4 driven into the sand shoal about 1/4 mile west of the mangrove shoreline. This station is 1500 feet north of N.M.-0 painted on the east side of the 2x4 is N.M.-1500. ✓

N.M.-3000 An eight foot 2x4 driven into the sand shoal that is about 1/4 mile west of the mangrove shoreline. This station is 3000 feet north of the N.M.-0 Painted on the east side of the 2x4 is N.M.-3000. ✓

N.M.-4500 An eight foot 2x4 with a cross arm driven into the sand shoal that is about 1/4 mile west of the mangrove shoreline. Painted on the east side of the 2x4 is N.M.-4500. ✓

N.M.-6000 An eight foot 2x4 driven into the sand shoal that is about 1/4 mile west of the shoreline. Painted on the east side of the 2x4 is N.M.-6000. ✓

N.M.-7500 An eight foot 2x4 driven in the sand shoal that is about 500 feet west of a small mangrove island. Painted on the east side of the 2x4 is N.M.-7500. ✓

TOPOGRAPHIC ✓

HACK, 1956

PHOTOGRAMMETRIC OFFICE REVIEW

50.

T-11394

1. Projection and grids J.G. 2. Title J.G. 3. Manuscript numbers J.G. 4. Manuscript size J.G.
 ca. Classification label unclassified

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy M.M.S. 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) J.G. 7. Photo hydro stations J.G. 8. Bench marks XX
 9. Plotting of sextant fixes J.G. 10. Photogrammetric plot report J.G. 11. Detail points J.G.

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline J.G. 13. Low-water line J.G. 14. Rocks, shoals, etc. J.G. 15. Bridges XX 16. Aids to navigation XX 17. Landmarks XX 18. Other alongshore physical features J.G. 19. Other along-shore cultural features XX

PHYSICAL FEATURES

20. Water features J.G. 21. Natural ground cover J.G. 22. Planetable contours XX 23. Stereoscopic instrument contours XX 24. Contours in general XX 25. Spot elevations XX 26. Other physical features J.G.

CULTURAL FEATURES

27. Roads J.G. 28. Buildings XX 29. Railroads XX 30. Other cultural features XX

BOUNDARIES

31. Boundary lines XX 32. Public land lines XX

MISCELLANEOUS

33. Geographic names J.G. 34. Junctions J.G. 35. Legibility of the manuscript J.G. 36. Discrepancy overlay XX 37. Descriptive Report J.G. 38. Field inspection photographs J.G. 39. Forms J.G.
 40. Jesse A. Giles William A. Rasure
 Jesse A. Giles Reviewer Supervisor, Review Section or Unit Wm. A. Rasure

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

 Compiler

 Supervisor

43. Remarks:

TIDE COMPUTATION

PROJECT NO, PH-146 T-11394

Time and date of exposure	1451 Dec 19 53	Reference station	Tampa Bay	Mean range	1.4
Date of field inspection		Subordinate station	Punta Gorda, Charlotte Harbor	Ratio of ranges	0.7

	Time		Height x Ratio of ranges
	h.	m.	
High tide	12	01	0.9
Low tide	10	08	0.7
Duration of rise or fall	4	07	0.2

	Time	
	h.	m.
High tide at Ref. Sta.	71	41
Time difference	+0	20
Corrected time at Subordinate station	12	01

	Time	
	h.	m.
Low tide at Ref. Sta.	15	48 ✓
Time difference	40	20 ✓
Corrected time at Subordinate station	16	08 ✓

	h.	m.	
Time H. T. or L. T.	16	08	H. T. or L. T.
Required time	14	51	Tabular correction
Interval	1	17	Stage of tide above MLW
Time H. T. or L. T.			Ht. H. T. or L. T.
Required time			Tabular correction
Interval			Stage of tide above MLW
Time H. T. or L. T.			Ht. H. T. or L. T.
Required time			Tabular correction
Interval			Stage of tide above MLW
Time H. T. or L. T.			Ht. H. T. or L. T.
Required time			Tabular correction
Interval			Stage of tide above MLW
Time H. T. or L. T.			Ht. H. T. or L. T.
Required time			Tabular correction
Interval			Stage of tide above MLW

feet		feet	- Photo. No.
0.7 "	Feature bares		
0.0 "	Stage of tide above MLW		42971 -
0.7 "	Feature above MLW		42973 -
	Feature bares		
	Stage of tide above MLW		
	Feature above MLW		
	Feature bares		
	Stage of tide above MLW		
	Feature above MLW		
	Feature bares		
	Stage of tide above MLW		
	Feature above MLW		
	Feature bares		
	Stage of tide above MLW		
	Feature above MLW		
	Feature bares		
	Stage of tide above MLW		
	Feature above MLW		

Review Report
Shoreline Maps
T-11389 thru T-11394
February 1965

61. General Statement

Area - The project encompasses the west coast of Florida from Venice to Big Hickory Pass, including Charlotte Harbor and Fort Meyers.

Purpose - The object of this project is to provide shoreline and horizontal control data for hydrographic surveys and to provide data for nautical chart revisions.

62. Comparison with Registered Topographic Surveys

T-5856	1:10,000	1944
T-5857	1:10,000	1944
T-5858	1:10,000	1944
T-5859	1:10,000	1944
T-5860	1:10,000	1944
T-5875	1:10,000	1944
T-5876	1:10,000	1944

There are shoreline changes due to the difference in time interval. These map manuscripts are to supersede the above listed surveys of common area for nautical charting.

63. Comparison with Maps of Other Agencies

Englewood	1:24,000	1956
El Jobean	1:24,000	1957
Punta Gorda	1:24,000	1957
Punta Gorda SE	1:24,000	1956
Punta Gorda SW	1:24,000	1957
Placida	1:24,000	1957

There are cultural and shoreline changes but, in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8153	1:20,000	1955
H-8155	1:10,000	1955
H-8192	1:10,000	1956
H-8193	1:10,000	1956
H-8357	1:10,000	1957
H-8360	1:10,000	1959

64. Comparison with Contemporary Hydrographic Surveys(cont'd)

H-8469	1:10,000	1959
H-8470	1:10,000	1959

Shoreline and control was furnished prior to hydrography and no changes of importance exist.

65. Comparison with Nautical Charts

1255	1:80,000	1956
857 SC	1:40,000	1964

There are only minor differences that exist. However, there are no items to be applied immediately.

66. Accuracy of Results and Future Surveys

These surveys were constructed according to project instructions and are within the required accuracy for nautical charting.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles H. Hemen
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

for M. E. Nath
Chief, Photogrammetry Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11394

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

[illegible]